

Appl. No. 10/770,795
Amdt. Dated March 7, 2006
Reply to Office action of September 7, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claims 1-11 (cancelled)

Claims 16-19 (cancelled)

Claims 21-24 (cancelled)

Claim 25. (currently amended) ~~The~~ An apparatus of ~~Claim 21 wherein said pedestal~~
~~comprises two half pedestals, each said half pedestal comprising:~~

a first ring-like mass rotating in a first plane, said first ring-like mass comprising a first material, said first material comprising a first density;

a second ring-like mass rotating in a second plane, said second ring-like mass comprising a second material, said second material comprising a second density;

a third ring-like mass rotating in a third plane, said third ring-like mass comprising a third material, said third material comprising a third density;

three containment rings, each of said three containment rings further comprising an exterior surface and wherein each of said first, second, and third ring-like masses are contained within one of said three containment rings;

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Claim 25 (continued)

a pedestal supporting each of said three containment rings, said pedestal, said pedestal comprises comprising two half pedestals, each said half pedestal comprising;

a z-plane pedestal component;

a y-plane pedestal component; and

an x-plane pedestal component; [[.]]

a plurality of magnets wherein at least two of said plurality of magnets is embedded into each of said first ring-like mass and said second ring-like mass and said third ring-like mass;

a plurality of hall effect sensors, at least two of said plurality of hall effect sensors being affixed to said exterior surface of said three containment rings, wherein said plurality of hall effect sensors monitor the location of said plurality of magnets;

a plurality of coils, wherein at least four of the plurality of coils is wrapped around said exterior surface of each of said three containment rings; and

a housing, said housing containing said pedestal, said containment rings, and said ring-like masses.

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Claim 26. (original) The apparatus of Claim 25 wherein at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprises at least one optional cooling aperture.

Claim 27. (original) The apparatus of Claim 25 wherein said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise a plurality of assembly slots.

Claim 28. (original) The apparatus of Claim 25 wherein at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise at least one plurality of ring guides.

Claim 29. (original) The apparatus of Claim 25 wherein at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise at least one connection aperture.

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Claim 30. (original) The apparatus of Claim 25 wherein:

at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprises at least one optional cooling aperture;

said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise a plurality of assembly slots;

at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise at least one plurality of ring guides;

at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component further comprise at least one connection aperture; and

a pair of connectors connecting at least one of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component to at least another of said z-plane pedestal component, said y-plane pedestal component, and said x-plane pedestal component.

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Claim 31. (new) An apparatus comprising:

a first containment ring containing a first ring-like mass;

a second containment ring containing a second ring-like mass;

a third containment ring containing a third ring-like mass; and

a pedestal supporting said first, second, and third containment rings, said pedestal comprising two half pedestals, each said half pedestal comprising:

a z-plane pedestal component;

a y-plane pedestal component; and

an x-plane pedestal component.